

1.02526-67 EWT(d)/EWT(m)/EWP(w)/EWP(v)/EWP(k) IJP(c) WW/EM

ACC NR: AT6020972

SOURCE CODE: UR/3207/65/000/002/0088/0093

AUTHOR: Privarnikov, A. K. (Candidate of physico-mathematical sciences);
Chekhov, V. N.

ORG: Dnepropetrovsk University (Dnepropetrovskiy universitet)

TITLE: Stress concentration in a round cylindrical shell weakened by a
circular cut

SOURCE: Gidrosferomekhanika, no. 2, 1965, 88-93

TOPIC TAGS: stress analysis, Fourier series, *CYLINDRIC SHELL STRUCTURE*

ABSTRACT: The problem has been previously treated in the literature on the assumption that the parameter $r(Rh)^{-1/2}$ which characterizes the dimensions of the shell and the cut, is sufficiently small. Here R is the radius of the mean surface of the shell; h is the thickness of the shell; r is the radius of the cut. The present article extends the treatment to shells with large values of the above parameter. It is assumed that, in the absence of an opening, the state of stress of a shell is determined only by the forces $S_1 = ph$ and $S_2 = qh$, which correspond to the loading of the shell by a constant pressure and to elongation along the generatrix. The complex stress function σ which determines the disturbance of the stress of the shell by an opening

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L 02575-57

ACC NR: AT6020972

satisfies the equation: $\Delta \Delta \sigma + \frac{2ik^2 \partial^2 \sigma}{R^2 \partial x^2} = 0$, (1)

where $k^4 = 3(1-\nu^2)R^2h^{-2}$; ν is the Poisson coefficient; $\Delta = \frac{\partial^2}{\partial r^2} + \frac{1}{r} \frac{\partial}{\partial r} + \frac{1}{r^2} \frac{\partial^2}{\partial \lambda^2}$.
The final solution of the problem is in the form of Fourier series, which are shown to converge rapidly for the given case. Orig. art. has: 8 formulas and 5 tables.

SUB CODE: 20/ SUBM DATE: none/ ORIG REF: 009

Card 2/2 eqh

CHEKHOVA, Anna Nikolayevna; DMITRIYEVA, N.M., red.; PRONINA, N.D.,
tekhn. red.

[Development of the schizophrenic process originating in
childhood] Techenie shizofrenicheskogo protsessa, nachav-
shegosia v detskom vozraste. Moskva, Medgiz, 1963. 135 p.
(MIRA 16:5)

(SCHIZOPHRENIA)

CHEKHOVA, A. N..

CHEKHOVA, A. N. "Dynamics of the Schizophrenic Process, Having its Start at an Early Childhood Age." Cand Med Sci, Second Moscow State Medical Inst imeni I. V. Stalin, 25 Jan 54. (Meditsinskiy Rabotnik, 8 Jan 54)

SO: SUM 168, 22 July 1954

chekhova, O.A.

USSR/Magnetism - Ferromagnetism

F-4

Abs Jour : Referat Zhur - Fizika, No 5, 1957, 12001

Author : Gunchenko, A.I., Frantsevich - Zabludovskaya, T.F.,
Frantsenich, I.N., Chekhova, O.A.

Inst : -

Title : Magnetically-soft Metal-Ceramic Materials.

Orig Pub : Poroshkovaya metallurgiya, Yaroslavl', 1956, 279-294

Abstract : Description of the technology of obtaining powdered electrolytic alloys of the molybdenum-permalloy type and of the supermalloy type. Alloys of permalloy were prepared by electrolysis of solutions containing nickel, iron, molybdenum, manganese, and copper in varying concentrations. The materials obtained in this manner were ground into a fine powder in several fractions from 100 to 270 mesh, from which the rods were made by pressing and sintering. Magnets of commercial powder of electrolytic iron, subjected to annealing, were made simultaneously.

Card 1/2

CHEKHOVA, O. A.

- 18(0.7) PAGE 1 BOOK EXCITATION SOV/2170
 Andeevskiy nauk Ukrainy SSR. Institut metallovedeniya i special'noy splavov
- Voprosy poruchnoy metallurgii i prochnosti materialov, 77-5
 (Problems in Powder Metallurgy and Strength of Materials, Nr 5)
 Kiev, 1956. 176p. 2,000 copies printed.
- № of Publishing House: Ya. A. Gashchukovskiy, 77-5, V.Ye.
 Salimovskiy, 77-5, V.Ye. Salimovskiy, 77-5, V.Ye. Salimovskiy, 77-5, V.Ye.
 Pedorenko, O.S. Pleschenko, O.V. Salimovskiy, and V.Y. 07-1807/77-5.
- REMARKS: This collection of articles is intended for a wide circle
 of scientists and engineers in the research and production of pow-
 der metallurgy. It may also be useful to advanced students of
 metallurgical institutes.
- CONTENTS: This collection describes the results of in-
 vestigation into the problems of powder metallurgy and special Al-
 lures, Academy of Sciences, Ukrainian SSR). The physical and chem-
 ical properties of materials used in powder metallurgy are dis-
 cussed. Methods of preparing, production processes, and
 methods and results of mechanical testing are described. No per-
 sonalities are mentioned. References follow each article.
- TABLE OF CONTENTS:
- Salimovskiy, V.Y. and V.S. Nishpor. The Problem of Radiographic 49
 Investigation of the Characteristic Temperature
 The authors discuss the characteristic temperature in respect
 to the strength of metal and alloys and the effect of the alloy-
 ing elements on high-temperature strength properties.
- Andriyevskiy, R.A. The State of Certain Problems of the Theory of 54
 Sintering Metal Powders
 The author discusses the theory of sintering, the role of sur-
 face energy, the mechanism of sintering, diffusion and plastic flow and
 mass sintering during sintering in an attempt to clarify the
 physical nature of sintering.
- Trigubenko, V.K., and Ya. V. Matkison. The Role of the Transfer of 54
 the Substance Through the Gas Phase in Sintering Iron and Chromium 73
 The authors investigated the effect of H₂ present in the sinter-
 ing atmosphere on the sintering of a specimen, comparing it with
 sintering during vacuum sintering.
- Gelencovskiy, V.Y., V.Y. Eliseyev, and V.Y. Kozlovskiy. Chromium
 Carbide as a Base for Powdered-metal Materials with Special Pro- 80
 perties
 The authors discuss methods of preparing various alloys based
 on chromium carbide, their properties, and applications.
- Gelencovskiy, A.I., E.P. Prutkevich-Zabudovskiy, I.M. Prutkevich,
 and A.M. Gelencovskiy. Magnetically Soft Powdered-metal Materials 90
 (Report of Investigations dealing with the development of me-
 tallic materials for various types of powdered-metal magnetic
 conductors from magnetically soft metals (electrolytic iron and
 permalloy-type materials) are presented.
- Pedorenko, I.K. Iron Powders and their Fields of Application 104
 The author gives numerous cases where iron powder can be applied.
 He stresses the economical factor in the use of iron-graphite
 powder as high-quality bearing material.
- Gelencovskiy, V.Y., and E.S. Dubchak. Pulverizing Titanium Carbide 117
 The authors describe the method of grinding titanium oxide in
 acetone and alcohol using a ball mill with balls of the same
 (TiC) composition.
- Card 4/5

CHIRKOVA, O.A.; FRANTSSEVICH, I.N.

Elastic constants of certain metalloceramic magnetically soft
materials. Vop.por.met.i prochn.mat. no.6:36-41 '58.

(MIRA 13:4)

(Iron alloys--Magnetic properties)

25(1)

PHASE I BOOK EXPLOITATION

SOV/3375

Chekhova, Olyha/Aleksandrivna

Magnitnom'yaki metalokeramichni materiali (Soft Magnetic Materials in Powder Metallurgy) Kyiv, AN Ukrains'koyi RSR, 1959. 31 p. 1,000 copies printed.

Sponsoring Agency: Akademiya nauk Ukrains'koyi RSR. Instytut metalokeramiky i spetsial'nykh splaviv.

Resp. Ed.: I.M. Frantsevych, Corresponding Member, Ukrainian SSR Academy of Sciences; Ed. of Publishing House: I.V. Kisina; Tech. Ed.: O.O. Matviychuk.

PURPOSE: This booklet is intended for physical metallurgists and specialists in the field of powder metallurgy.

COVERAGE: Methods of making soft magnetic materials from iron and permalloys (78% Ni) in powder metallurgy are described. The relationship between porosity (10 to 40%) and magnetic properties and the modulus of elasticity for specimens of electrolytic and reduced iron are investigated. No personalities are mentioned. There are 37 references: 21 Soviet, 9 English, 5 German, 1 French, and 1 Japanese.

Card 1/2

CHEKHOVA, R. S., Cand Tech Sci — (diss) "Investigation of the constructional and technical characteristics of slag-portland cements applicable to conditions of service in concrete hydrotechnical installations," Moscow, 1960, 19 pp, 160 cop. (Moscow Engineering Construction Institute im V. V. Kuybyshev) (KL, 45-60, 126-127)

L 11099-63 EWP(r)/EWT(d)/EWP(k)/EWP(q)/EWT(m)/BDS--AFTTC/ASD/APGC--
ACCESSION NR: AP3000962 Pf-4--JD S/0135/63/000/005/0013/0016

AUTHOR: Zemzin, V. N. (Candidate of technical sciences); Chekhover, E. A.
(Technician) 63 62

TITLE: Modulus of elasticity of alloy steel welds ¹⁰ ~~11~~

SOURCE: Svarochnoye proizvodstvo, no. 5, 1963, 13-16

TOPIC TAGS: weld elasticity modulus, pearlitic weld, martensitic weld,
ferritic weld, austenitic weld, anisotropy

ABSTRACT: It has been shown that the modulus of elasticity of pearlitic, martensitic, and ferritic welds does not depend on the location or on the orientation of the specimen. Its magnitude coincides with that of forged steels (20,000 to 21,000 kg/mm² at 20C). The modulus of elasticity of austenitic welds, however, varies within a range of 11,000 to 20,400 kg/mm², depending on location and orientation (see Fig. 1 of Enclosure). Its average value for longitudinal specimens is 15,000 kg/mm² at 20C for multipass welds.

Card 1/2/

KISLYY, P.S.; LAKH, V.I.; SAMSONOV, G.V.; STADNYK, B.I.; KHARENKO, R.F.;
CHEKHOVICH, A.B.

Thermoelectric characteristics of high-temperature thermocouples
with refractory electrodes. Izv.tekh. no.5:21-23 My '61.
(MIRA 14:5)

(Thermocouples)

AKULOV, L.S.; ACHIL'DIYEV, U.I.; VOLOSOV, G.D.; GORDON, L.I.; GRIN, G.V.;
GROMOV, M.A.; KIRILLOV, A.Ya.; LIPSHITS, N.I.; MITROPOL'SKIY, A.V.;
RAYSKIY, I.D.; SEMENOV, V.B.; FATVUSOVICH, A.Kh.; FEDOROVA, I.Yu.;
TSYPIN, I.M.; CHEKHOVICH, D.I.; ISKOVA, A.K., red.; SUDAK, D.M.,
tekhn.red.

[Handbook on equipment for commercial enterprises and public food
service] Spravochnik po oborudovaniyu dlia predpriatii trgovli
i obshchestvennogo pitaniia. Moskva, Gos.izd-vo torg.lit-ry,
1959. 322 p. (MIRA 12:12)

1. Inzhenerno-tekhnicheskiye rabotniki Upravleniya trgovogo
oborudovaniya i Tsentral'nogo konstruktorskogo byuro trgovogo
mashinostroyeniya (for all except Ishkova, Sudak).
(Business enterprises--Equipment and supplies)
(Restaurants, lunchrooms, etc.--Equipment and supplies)

AKULOV, L.S.; ACHIL'DIYEV, U.I.; VOLOSOV, G.D.; GORDON, L.I.; GRIN, G.V.;
GROMOV, M.A.; KIRILLOV, A.Ya.; LIFSHITS, N.I.; MITROPOL'SKIY, A.V.;
RAYSKIY, I.D.; SMIRNOV, V.B.; FAYVUSOVICH, A.Kh.; FEDOROVA, I.Yu.;
TSYPIN, I.M.; CHEKHOVICH, D.I.; ISKOVA, A.I., red.; KISELEVA, A.A., tekhn.red.

[Handbook on equipment for commercial enterprises and public food
service] Spravochnik po oborudovaniyu dlia predpriatii torgovli i
obshchestvennogo pitaniia. Izd.2., dop. Moskva, Gos. izd-vo torg.
lit-ry, 1960. 333 p. (MIRA 14:10)

(Restaurants, lunchrooms, etc.--Equipment and supplies)

CHEKHOVICH, M.

Mechanism of the origin of low-pressure zones in sheet rocks as possible localizers of mineralization as revealed by the studies in the Dzheshkazgan deposit. Izv. AN Kazakh SSR. Ser. geol. no. 5:58-63 '62.

(MIRA 15:12)

(Dzheshkazgan District—Ore deposits)

1ST AND 2ND UPPER		PROCESSES AND PROPERTIES INDEX		1ST AND 2ND LOWER	
CHEKHOVICH, M. D.		Rapid determination of copper in cyanide plating baths.		7	
Ca		I. I. Strizhevskii and M. D. Chekhovich. <i>Zashchita</i> <i>Lab. 7, 1954, 4(1033)</i>.—To 10 ml. of the soln. add 20 ml. of 10% NaOH, boil for 2-3 min., add 10 ml. of 3% H₂O₂, shake and boil until the Cu(CN)₂ is dissolved (1 min.). Add 10-20 ml. H₂O and boil for 8-10 min. to expel HCN and to decompose H₂O₂. To decompose the last traces of H₂O₂ add KMnO₄ soln. to a permanent tinge and shake until the soln. becomes decolorized. Dil. to 50 ml., add a few KF crystals and 2 g. KI and titrate the liberated I with Na₂S₂O₃. Accuracy: ± 0.01%. C. Blane			
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION					
15801 1710310A		15801 1710310A		15801 1710310A	
15801 1710310A		15801 1710310A		15801 1710310A	

1ST AND 2ND COPIES										PROCESSES AND PROPERTIES INDEX										3RD AND 4TH COPIES									
CHEKHOVICH, M. D. Ca Analysis of acetylene. I. I. Nitolshevskii and M. D. Chekhovich. <i>Zhurnal Khim. i Tekhn. 2(1960)</i>. Repts. are described on the analysis of C_2H_2 for Al_2O_3, H_2S, and PH_3. The H_2S and PH_3 were detd. by absorption in $NaOCl$ according to the Lange-Zedererantz method as modified by Frenkel. Air in the C_2H_2 was detd. by absorption in water, fuming H_2SO_4, and acetone-water mixt. Absorption in water gave results which differed by not more than 0.1% from the H_2SO_4 method, while the results from the acetone-water method were much higher and in addn. differed considerably among themselves. H. Z. Kamich 7																													
ASS-5LA METALLURGICAL LITERATURE CLASSIFICATION SUBMITTAL NUMBER CLASSIFICATION SUBMITTAL NUMBER																													

1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
CHEKHOVICH, M-D																			
PROCESSES AND PROPERTIES INDEX																			
Ca Identification of bisacetylene in the presence of acetylene. I. I. Strishchevskii and M. D. Chekhovich: <i>J. Gen. Chem.</i> (U. S. S. R.) 16, 1203-4 (1940).—The detection of bisacetylene (II) in the presence of acetylene (I) is of practical interest for the control of the purity of gases obtained in the cracking of sand, hydrocarbons to yield II. The present method is based on the great difference in velocity with which I and II react with an ammoniacal soln. of CuSO_4. I yields immediately a dark-brown ppt. whereas II gives a ppt. only after a considerable length of time. I is prepd. by dissolving 50 g. CuCl in a concd. soln. of $(\text{NH}_4)_2\text{CO}_3$ while adding a small amt. of NH_3, passing II into the soln., washing the $\text{CuCl}:\text{CCu}$ with the exclusion of air until free from NH_3, and oxidizing it with 300 g. CuCl_2 in twice the amt. of water for 3 hrs. on the water bath. CuCl is decanted off, and the reaction product is kept for 4-5 days in the air. $\text{CuCl}:\text{CCu}:\text{CCu}$ is decompd. by boiling with excess 2% HCl and I absorbed in H_2O of 0°. I is detd. in its aq. soln. by pptn. with a 2% ammoniacal soln. of CuSO_4. The ppt. is washed with a 3% soln. of NH_3 until the filtrate gives no reaction for Cu, dissolved in H_2SO_4 and completely oxidized with permanganate while boiling. MnO_2 is reduced with H_2O_2, and Cu detd. iodometrically after prolonged boiling. Gertrude Berend																			
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION																			
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E-277-10000-10000																			

[illegible]

CHEKHOVICH, M. D.		PROCESSING AND PROPERTY INDEX	
CA		7	
A color scale for the colorimetric determination of acetyl- one. I. I. Stelchewskii and M. D. Chekhovich. Zash- chita Lab. 11, 480 2(1945). For anal. of the color of liquid C₆ acetylone solns., standards prepd. from C₆N₂O₄ and Cr(NH₃)₃ solns. can be kept indefinitely. Nine references. W. R. Henn			
AD-511 DETAILING LITERATURE CLASSIFICATION			

CHEKHOVICH, M. D.

CA

7

Photocolorimetric determination of nickel in ores.
M. D. Chekhovich and D. P. Shestakov, *Zhurnal
Lab. 10, 205-14 (1950).* The colorimetric dimethyl-
glyoxime method for Ni is carefully reviewed in its applica-
tions to ore analysis (20 references). Extinction coeffs.
for the complexes of Ni, Cu, and Co and the tartrates of
Fe and Cr were detd. By using proper color filters the
detn. is best performed in the concn. range of 0.01-
1.5 (or more) mg. Ni/100 ml. The colorimetry is per-
formed with a calibration curve; as a "blank" an ore
sample is used which is analogous to the test sample and
has a very low Ni content (0.2-0.3%). The soln. of the
ore sample is added to known standard Ni solns. Ores
contg. much Ni yield opalescent solns. (ppt. of Ni gly-
oxime complex); this is avoided by using more of a 5%
NaOH soln. in making up the soln. When Rochelle salt
is used as the complexing substance for elimination of in-
terfering agents, the occasional pptn. of its acid K salt is
prevented by excess NaOH. Curves of extinction coeffs.
and typical calibration curves are reproduced. G. M. K.

MOSEVIN, M.M.; MASLAKOVA, M.I.; DOBROV, S.A.; PAVLOVA, M.M.; NAYDIN, D.P.;
SHIMANSKIY, V.N.; ASTAF'YEVA, K.A.; POSLAVSKAYA, N.A... Primal
uchastiye CHEKHOVICH, M.V.. SHOROKHOVA, L.I., vedushchiy red.;
MUKHINA, N.A., tekhn.red.

[Atlas of upper Cretaceous fauna of the Northern Caucasus and the
Crimea] Atlas verkhnemelovoi fauny Severnogo Kavkaza i Kryma.
Pod red. M.M.Moskvina. Moskva, Gos.nauchno-tekhn.izd-vo neft. i
gorno-toplivnoi lit-ry, 1959. 499 p. (MIRA 13:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut prirodnnykh gazov.
2. Sotrudniki kafedry istoricheskoy geologii i paleontologii Geologi-
cheskogo fakul'teta Moskovskogo gosudarstvennogo universiteta (for
all except Shorokhova, Mukhina).
(Caucasus, Northern--Paleontology, Stratigraphic)
(Crimea--Paleontology, Stratigraphic)

KRAYUSHKIN, Vladilen Alekseyevich; PORFIR'YEV, V.B. [Porfir'iev, V.B.],
akademik, otv. red.; CHEKHOVICH, N.Ya. [Chekhovich, N.Ya.], red.;
MATVIICHUK, O.O., tekhn. red.

[Gas and oil accumulations in the Bitkov fields] Akumuliatsiia nefi
ta gasu Bytkivs'komu rodovishchi. Kyiv, Vyd-vo Akad. nauk URSS,
1961. 90 p. (MIRA 14:9)

1. Akademiya nauk URSS (for Porfir'yev).
(Ukraine—Gas, Natural—Geology) (Ukraine—Petroleum geology)

BOBROVNIK, Daniil Prokhorovich [Bobrovnyk, D.P.]; BOLDYREVA, Tat'yana Aleksandrovna [Boldyrieva, T.O., deceased]; ISHCHEENKO, Anton Markovich; STRUYEV, Mikhail Ivanovich; USIKOV, Ivan Dmitriyevich [Usykov, I.D.]; KHIZHNYAKOV, Andrey Vasil'yevich [Khyzhniakov, A.V.]; SHPAKOVA, Vera Borisovna; SHUL'GA, Pelageya Lukinichna [Shul'ha, P.L.], doktor geol.-miner. nauk; CHEKHOVICH, N.Ya. [Chekhovich, N.IA.], red.; MATVIYCHUK, O.O. [Matviichuk, O.O.], tekhn. red.

[Lvov-Volyn' Basin] L'vivs'ko-volyns'kyi kam'ianovuhol'nyi basin. [By] D.P. Bobrovnyk ta inshi. Kyiv, Vyd-vo Akad. nauk URSR, 1962. 143 p. (MIRA 16:3)

1. Institut geologicheskikh nauk Akademii nauk Ukr. SSR (for Shul'ga, Ishchenko).
 2. Institut geologii goryuchikh iskopaemykh Akademii nauk Ukr. SSR (for Boldyreva).
 3. L'vovskiy gosudarstvennyy universitet (for Bobrovnik).
 4. Ukrainskiy nauchno-issledovatel'skiy gornorudnyy institut (for Khizhnyakov).
 5. Trest "Ukrvuglegeologiya" (for Struyev, Shpakova, Usikov).
- (L'vov--Volyn' Basin--Coal geology).

PORFIR'YEV, V.B. [Porfir'iev, V.B.], akademik; GRINBERG, Y.V. [Hrinberh, I.V.]; LADYZHENSKIY, M.R. [Ladyshevs'kyi, M.R.]; LINETSKIY, V.P. [Linets'kyi, V.P.]; GALABUTSKAYA, K.A. [Halabuts'ka, K.A.]; TKACHUK, L.G. [Tkachuk, L.H.]; SVARICHEVSKIY, L.V. [Svarychevs'kyi, L.V.]; RIPUN, M.B. [Rypun, M.B.]; GABINET, M.P. [Habinet, M.P.]; CHEKHOVICH, N.Ya. [Chekhovych, N.IA.], red.; MATVIICHUK, O.O., tekhn. red.

[Carpathian menilite shales] Menilitovi slantsi Karpat. Kyiv, Vyd-vo Akad. nauk URSR, 1963. 204 p. (MIRA 16:6)

1. Akademiya nauk Ukr. SSR (for Porfir'yev). Institut geologii goryuchikh iskopayemykh AN Ukr.SSR (for all except Chekhovich, Matviichuk).

(Carpathian Mountains--Oil shales)

STASHCHUK, Mikhail Fedorovich; SUPRYCHEV, Vladimir Andreyevich;
KHITRAYA, Mariya Stepanovna; YURK, Yu.Yu., doktor geol.-
miner. nauk, otv. red.; CHEKHOVICH, N.ya., red.

[Mineralogy, geochemistry, and conditions governing the
formation of the bottom sediments of Sivash] Mineralogiia,
geokhimiia i usloviia formirovaniia donnykh otlozhenii
Sivasha. Kiev, Naukova dumka, 1964. 172 p.

(MIRA 18:1)

TRETYAK, Aleksandr Nikiforovich; SUBBOTIN, S.I., akademik, otv.
red.; CHEKHOVICH, N.Ya., red.

[Paleomagnetism of the Middle and Upper Paleozoic of the
Ukrainian S.S.R.] Paleomagnetizm srednego i verkhnego
paleozoya USSR. Kiev, Naukova dumka, 1965. 130 p.
(MIRA 18:4)

1. Akademiya nauk Ukr.SSR (for Subbotin).

SOKOLOVSKIY, Igor' Leonidovich; VOLKOV, Nikolay Georgiyevich;
CHERBANENKO, I.I., kand. geol.-miner. nauk, otv. red.;
CHEKHOVICH, N.Ya., red.

[Methods for the stage-by-stage study of recent tectonics;
based on a study of the southwestern part of the Russian
Platform] Metodika poetapnogo izucheniia neotektoniki; na
primere iugo-zapada Russkoi platformy. K VII kongressu
Mezhdunarodnoi assotsiatsii po izucheniiu chetvertichnogo
perioda (INQUA). Kiev, Naukova dumka, 1965. 132 p.
(MIRA 18:6)

GAVRISH, Vladimir Konstantinovich; BALUKHOVSKIY, N.F., doktor
geol.-miner. nauk, otv. red.; CHEKHOVICH, N.Ya., red.

[Method of paleostructural geological analysis as re-
vealed by a study in the Dnieper-Donets Lowland] Metod
paleostruktarno-geologicheskogo analiza; na primere
Dneprovsko-Donetskoi vpadiny. Kiev, Naukova dumka,
1965. 140 p. (MIRA 18:3)

SEMENENKO, A.P., akademik, otv. red.; SHCHERBAK, N.P., kand.
geol.-miner. nauk, red.; MARTNITSKIY, Ye.H., kand. khim.
nauk, red.; LOGVIN, E.I., inzh., red.; CHEKHOVICH, N.Ya.,
red.

[~~Geochronology~~ of the Precambrian of the Ukraine] Geo-
khronologiya dokembriia Ukrainy. Kiev, Naukova dumka,
1965. 261 p. (MIRA 18:9)

1. Akademiya nauk URSR, Kiev. Instytut geologichnykh nauk.
2. Akademiya nauk Ukr.SSSR (for Semenenko).

SEMENENKO, N.P., akademik, otv. red.; TKACHUK, L.G., doktor geol.-
miner. nauk, zam. otv. red.; VYALOV, O.S., red.; PORFIR'YEV
V.B., red.; SUBBOTIN, S.I., red.; LAZARENKO, Ye.K., red.;
BELEVTSSEV, Ya.N., red.; POPOV, V.S., red.; SOLLOGUB, V.B.,
doktor geol.-miner. nauk, red.; CHEKHOVICH, N.Ya., red.;
BYCHKOVA, R.I., red.

[Materials of the Sixth Congress of the Carpatho-Balkan
Geological Association; reports of the Soviet geologists]
Materialy VI's"ezda Karpato-Balkanskoi geologicheskoi as-
sotsiatsii; doklady'sovetskikh geologov. Kiev, Naukova
dumka, 1965. 461 p. (MIRA 18:10)

1. Karpato-Balkanskaya geologicheskaya assotsiatsiya. 6.s"yezd.
2. AN Ukr.SSR (for Semenenko). 3. Chlen-korrespondent AN Ukr.SSR
(for Lazarenko, Belevtsev, Popov).

CHEKHOVICH, S., kandidat tekhnicheskikh nauk; LEYDERMAN, S., kandidat
tekhnicheskikh nauk; BASH, M., inzhener

Effect of operating parameters on the productivity of automobiles.

Avt.transp.33 no.8:21-23 Ag'55.

(MLRA 8:12)

(Transportation, Automotive)

ATLAS, B.A., kand. ekonom. nauk; CHEKHOVICH, S.I., kand. tekhn. nauk,
dotsent; VASIL'YEVA, K.D., inzh.

Computing differentiated shipping costs on the electronic digital
computer. Trudy LIVT no.57:3-15 '64. (MIRA 18:11)

CHEKHOVICH, V., polkovnik; TEMKIN, S., inzhener-podpolkovnik.

Modern antiaircraft gun. Voen.sman. 31 no.9:17-18 S '55.
(Antiaircraft guns) (MLRA 9:2)

CHEKHOVICH, V.A.

Origin of Oncophora beds. Izv.AN SSSR. Ser.geol. 26 no.11:88-99
N '61. (MIRA 14:10)

1. Geologicheskiy nauchno-issledovatel'skiy institut imeni Dioniza
Shtura, Bratislava, Chekhoslovatskaya Sotsialisticheskaya Respub-
lika.

(Paleontology, Stratigraphic)

CHEKHOVICH, V.D.

New Data on the Presence of Middle Devonian Deposits in the Nura-Tau Range
(resume in Uzbekistani) Dokl. AN Uzb. SSR, No 9, 1953, 17

Up to the present the Devonian in the Nura-Tau was known only on its southern slope. In 1951 the author found fauna of emhipores and other stramatoporides in gray limestones in the Kiskan-Saya estuary on the north slope of the Nura-Tau. Then V.N. Ryabinin determined *Amphipora ramosa* Phill. and others characteristic of the Givetian formation. (RZhGeol, No 1, 1954)

SO: W-31128, 11 Jan 55

SOLOV'YEVA, M.N.; CHEKHOVICH, V.D.

Bashkirian stage of Central Asia. Dokl. AN SSSR 94 no.3:549-550
Ja '54. (MLRA 7:1)

1. Usbekskoye geologicheskoye upravleniye.
Predstavleno akademikom D.V. Malivkinym.
(Soviet Central Asia--Geology, Stratigraphic)
(Geology, Stratigraphic--Soviet Central Asia)

CHEKHOVICH, V. D.

USSR/ Geology

Card 1/1 Pub. 22 - 41/54

Authors : Chekhovich, V. D.

Title : ~~XXXXXXXXXXXXXXXXXXXX~~
About the stratigraphic value of Silurian tabulata and heliolitida in central Asia

Periodical : Dok. AN SSSR 100/3. 555-558. Jan 21. 1955

Abstract : The stratigraphic importance of Silurian era tabulata and heliolitida (faunistic deposits) of central Asia are discussed. Fourteen references: 13 USSR and 1 USA (1926-1952).

Institution :

Presented by : Academician D. V. Nalivkin, October 23, 1954

CHEKHOVICH, V.D.

**Description of fauna of Silurian formations in Isfara (Southern Fergana).
Dekl. AN Tadzh.SSR no.14:19-21 '55. (MLRA 9:9)**

**1.Usbekskeye gosudarstvennoye geologicheskoye upravleniye. Predstavleno
deystvitel'nyy chlenom AN Tadzhikskoy SSR A.P.Medzetskiy.
(Fergana--Paleontology)**

~~CHEKHOVICH, V.D.~~; SOLOV'YEVA, M.N.; ZHELEZNOV, V.M.; RYKIN, M.L.;
STARODUBTSOVA, A.S.; STUKOVA, K.V.; URMANOV, Kh.Kh.

New data on the Devonian of Kyzyl-Kum. Dokl.AN SSSR 107 no.1:
149-150 Nr '56. (MLRA 9:7)

1.Uzbekskoye geologicheskoye upravleniye. Predstavleno akademikom
D.V.Maliykinym.
(Kyzyl-Kum--Geology. Stratigraphic)

CHEKHOVICH, V.D.

On facial zonation and types of Silurian strata in the Turkestan -
Mura-Tau Mountain System (Tien Shan). Dokl. AN SSSR 107 no.2:306-308
Mr '56. (MIRA 9:7)

1. Usbekske gosudarstvennoye geologicheskoye upravleniye. Predstavleno
akademikom D.V. Malivkinym.
(Tien Shan--Geology, Stratigraphic) (Mura-Tau--Geology, Stratigraphic)

AUTHOR: Solov'yeva, M.N., Chekhovich, V.D. SOV-5-58-2-4/43

TITLE: Stratigraphical Outline and Geological Structure of the Merishkor Mountain (Nura-Tay Range) (Ocherk stratigrafii i geologicheskogo stroyeniya gory Merishkor - Khrebet Nura Tay)

PERIODICAL: Byulleten' Moskovskogo obshchestva ispytateley prirody - Otdel geologicheskii, 1958, Nr 2, pp 55-66 (USSR)

ABSTRACT: The Merishkor mountain of the Nura-Tay range has long been studied by geologists, such as V.A. Nikolayev, N.M. Sinitsyn, D.P. Rezvyy, A.M. Obut, G.S. Porshnyakov, D.V. Malivkin, O.I. Nikiforova, D.L. Stepanov, N.A. Smirnov, O.A. Lipinaya, V.N. Ryabinin, G.A. Kaleda, A.D. Miklukho-Maklay, V.D. Chekhovich, O.I. Sergun'kov, M.N. Solov'yeva. The biostratigraphical research studies carried out recently on the Paleozoic deposits of the Merishkor mountain made a detailed differentiation of these Paleozoic deposits, as well as a comparison with the single-age deposits of the adjacent regions possible and at the same time threw some light upon the structure of the Merishkor mountain. During the studies made on the stratigraphy of the shoaly layers *Conchidium knighti* Sow. var. *daljanicum* Nikif. of the lower Ludlow Stage, the existence of associated Wenlock Stage tabulata and heliolites,

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SOV-5-58-2-4/43

Stratigraphical Outline and Geological Structure of the Merishkor Mountain
(Nura-Tay Range)

together with the occurrence of several Ludlovian types, was established. From this it can be concluded that representatives of the subfamily Palaeofavositinae, widely spread in the Wenlock Stage, as well as many proporides, continued to exist in the lower Ludlow sea basin Nura-Tay together with newly originating groups of corals and abundant, but alike Ludlow brachiopods. Some of the characteristic features of the Silurian profile of the Merishkor mountain, are the reduced thickness of the deposits similar to the Isfara layers of southern Fergana, the occurrence of sand and gravel at the basis of marginal limestones and a remarkable impoverishment of the fauna in the deposits of the upper Ludlow Stage, all of which might be regarded as results of elevations in this region and a possible erosion of the deposits in the Ludlow Stage. The lack of lower carboniferous deposits might be explained by an erosion which took place in times preceding the beginning of the Bashkir transgression. The lack of sediments of the Vereya period is also characteristic of cuts of the middle carboniferous deposits of the Merishkor mountain; this again might be due either to elevations of this region during the

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SOV-5-58-2-4/43

Stratigraphical Outline and Geological Structure of the Merishkor Mountain
(Nura-Tay Range)

early Moscow period or to an erosion at the moment of approach of the Bashkir transgression. Two synclinal structures have been found in the Merishkor mountain, the western is overthrust to the eastern one along the sloping Central Merishkor overthrust folding. The chief tectonic course of the Merishkor mountain is the Central Merishkor overthrust folding which, according to the author, is of regional character. This overthrust folding to the east and west of the Merishkor mountain dissolves into a region of thick sand-schist silurian strata widely spread in the Nura-Tay range. There are two stratigraphic charts and 14 Soviet references.

1. Geology--USSR 2. Mountains--Geophysical factors

Card 3/3

CHEKHOVICH, V.D.

The new genus *Pseudoroemeria* of the family Syringolitidae (Tabulata).
Paleont. zhurn. no. 4:43-47 '60. (MIRA 14:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskii institut.
(Atbashi Range—Corals, Fossil)

CHEKHOVICH, V.D.

Habitat of corals in the Ludlou and Gedinian seas in the Tien Shan.
Inform.sbor.VSEGEI no.42:43-52 '61. (MIRA 15:1)
(Tien Shan--Corals, Fossil)

ADAMOVICH, A.F.; CHEKHOVICH, V.D.

Conditions governing the formation of weathering surface in
geosyncline areas as revealed by a study made in eastern Cuba.
Izv. AN SSSR. Ser. geol. 29 no.9:84-93 S '64.

(MIRA 17:11)

ADAMOVICH, A.F.; CHEKHOVICH, V.D.

Basic characteristics of the geology of eastern Cuba. Biul. MOIP.
Otd. geol. 39 no.1:10-21 Ja-F '64. (MIRA 18:4)

CHEKHOVICH, V.D.

Stratigraphic significance of Late Silurian and Early Devonian Tabulata
in the Tien Shan. Trudy VSEGEI 93:135-151 '64. (MIRA 18:7)

CHEKHOVICH, V.D.

Tectonics of the Caribbean basin. Geotektonika no.6:35-47
N-D '65. (MIRA 19:1)

1. NIILzarubezhgeologiya Gosudarstvennogo geologicheskogo komi-
teta SSSR. Submitted May 25, 1965.

POLONSKIY, N.B.; CHEKHOVICH, V.V.

Stationary shielded rooms and chambers. Prib. i tekhn. eksp. 9
no.6:135-143 N-D '64.

Dismountable shielded chambers. Ibid.:144-148

(MIRA 18:3)

ACCESSION NR: AP5002162

S/0120/64/000/006/0144/0148

AUTHOR: Polonskiy, N. B.; Chekhovich, V. V. B

TITLE: Dismountable shield chambers

SOURCE: Pribery i tekhnika eksperimenta, no. 6, 1964, 144-148

TOPIC TAGS: shield chamber

ABSTRACT: Desk-size and walk-in-size shield chambers consisting of easily-assembled brass-gauze panels are described. A standard-size panel consists of a wooden frame 87-cm wide and 240-cm high carrying 0.3-mm tinned-brass-wire 1.26 x 1.26-mm-mesh gauze; the frame may carry the gauze on one or on both sides. The panels are groove-and-tongue assembled into door-equipped chambers from 174 x 184 x 240-cm to 349 x 272 x 245-cm size. A single-gauze chamber ensures a field attenuation of about 60--70 db within 0.16--20 Mc; attenuations up to 120 db are attainable with double-gauze chambers. Orig. art.

Card 1/2

ACCESSION NR: AP5002162

has: 9 figures, 2 formulas, and 3 tables.

ASSOCIATION: none

SUBMITTED: 29Nov63

ENCL: 00

SUB CODE: EC

NO REF SOV: 001

OTHER: 000

Card 2/2

CHEKHOVICH, Ya. I. Doc Med Sci -- (diss) "Hallucinatory-delirium syndrom in
(epidemic|chronic|encephalitis (Clinic, pathogenesis, and treatment)." Mos, 1959
22 pp (First Mos Order of Lenin Med Inst im I. M. Sechenov), 200 copies
(KL, 43-59, 127)

KURAPOVA, G.M.; CHEKHOVICH, Ya.I.

Use of reserpine combined with aminazine for the treatment of schizophrenia with a chronic unfavorable course. Trudy Gos. nauch.-issl. inst. psikh. 42:84-96 '65. (MIRA 18:9)

1. Otdeleniye eksperimental'noy terapii shizofrenii i grugikh psikhozov (zav.- prof. I.G. Ravkin) Gosudarstvennogo nauchno-issledovatel'skogo instituta psikhatrii Ministerstva zdavookhraneniya RSFSR.

CHEKHOVICH, Ya.I.; LANDO, L.I.; KVIRIKADZE, V.V.

Dynamics of the clinical picture and reactive characteristics
of the body in schizophrenics under the effect of treatment.
Trudy 1-go MMI 34:181-191 '64. (MIRA 18:11)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut psikhatrii
Ministerstva zdravookhraneniya RSFSR (dir. - prof. D.D. Fedotov);
klinika eksperimental'noy terapii psikhov (zav. - prof. I.G.
Ravkin), biokhimicheskaya laboratoriya i mikrobiologicheskaya
laboratoriya.

BETEKHTIN, A.G.[deceased]; GOLIKOV, A.S.; IYBKOV, V.F.; IVANOV,
G.A.; KARYAKIN, A.Ye.; KIRYUKOV, V.V.; KUPROV, I.G.;
MAGAK'YAN, I.G.; STROGA, P.A.; TATARINOV, P.M.;
CHEKHOVICH, Ye.D.; SMIRNOV, V.I., retsenzent

[Course in mineral deposits] Kurs mestorozhdenii poleznykh
iskopaemykh. Izd.3., perer. i dop. Moskva, Nedra, 1964.
589 p. (MIRA 18:3)

CHEKHOVY, M.

NATAROV, Boris Fedorovich; CHEKHOVIY, M., veduchiy redaktor; PATSALYUK,
P., tekhnicheskiiy redaktor

[Wide-screen motion pictures] Shyrokoekranne kino. Kyiv.
Derzh. vyd-vo tekhn. lit-ry URSR, 1956. 36 p. (MLBA 10:5)
(Motion-picture projection)

CHEKHOVOT, M

PAVLOV, Ivan Stepanovich; CHEKHOVOY, M., red.; PATALYUK, P., tekhn.red.

[Electric methods of processing food products] Elektrychni sposoby
obrobky kharchovykh produktiv. Kyiv, Derzh. vyd-vo tekhn.lit-ry
URSR, 1957. 106 p. (MIRA 11:2)

(Food industry--Equipment and supplies)

CHEKHOVOY, N.

LOBAYEV, B.N., professor, doktor tekhnicheskikh nauk, redaktor; CHEKHOVOY, N.,
redaktor; VUYEK, N., tekhnicheskii redaktor

[Innovations in heating engineering] Novoe v otopitel'noi tekhnike.
Kiev, Gos.izd-vo tekhn. lit-ry, USSR, 1955. 149 p. (MIRA 9:3)

1. Deystvitel'nyy ohlen Akademii arkhitektury USSR (for Lobayev)
(Heating)

YERSHOV, L.D.; ~~CHEKHOVOY~~, N., vedushchiy redaktor; PATSALYUK, P., tekhnicheskii redaktor

[Quick-setting cement] Bystrytverdelushchie tsementy. Kiev, Gos. izd-vo tekhn. lit-ry USSR, 1956. 199 p. (MLRA 10:2)
(Cement)

KHIMERIK, Yuriy Andreyevich; ~~CHIKHOV, P.~~ vedushchiy redaktor; PATSALYUK, P.
tekhnicheskiiy redaktor

[Hydraulic engineering installations; planning and calculation]
Gidrotekhnicheskie sooruzhenia; proektirovanie i raschet. Kiev,
Gos. izd-vo tekhn. lit-ry USSR, 1957. 190 p. (MIRA 10:4)
(Hydraulic engineering)

9 (2)

SOV/91-59-11-18/27

AUTHORS: Chekhovoy, Yu.N., and Busheva, L.M., Engineers

TITLE: The Possibility of Increasing the Number of Output Coils of the EKP-3/6 Electronic Correcting Device

PERIODICAL: Energetik, 1959, Nr 11, pp 27-28 (USSR)

ABSTRACT: The authors describe a simple conversion of the EKP-3/6 electronic correcting device without the application of a pulse multiplier for the simultaneous control of six boilers. They refer to an article of Engineer A.M. Tsirlin "The Utilization of the EKR as a Pulse Multiplier for Pressure Control in High-Capacity Boiler Houses", published in Energetik, 1958, Nr 10. It was said in this article that the number of output coils of the EKR transformer is inadequate for a great number of boilers, especially when operating according to the parallel system, when two coils are required for each boiler. For controlling the pressure of all boilers, the pulse from the EKR transformer must be multiplied. A.M. Tsirlin further explains

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The Possibility of Increasing the Number of Output Coils of the
EKP-3/6 Electronic Correcting Device

that a rewinding of the output coils of the transformer is not permissible since the power of the electronic amplifier will be inadequate. The authors of this article state that this is true only for the "Energopribor" equipment. When using the equipment produced by the "Komega" plant, the number of outputs of the EKP-3/6 electronic correcting device may be doubled (ie. increased to 20) without causing damage to the electronic amplifier. The maximum number of outputs of the "Energopribor" equipment will be around eight. A rewinding of the output transformer of the EKP-3/6 electronic correcting device with addition of six additional coils was performed at one of the GRES of Donbassenergo. Such a conversion is connected with considerable difficulties. The authors recommend a less complicated method by using one special transformer-multiplier with one primary and seven second-

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SOV/91-59-11-18/27

The Possibility of Increasing the Number of Output Coils of the
EKP-3/6 Electronic Correcting Device

ry coils. The transformation coefficient must be 1:1. The primary coil is connected to one of the output coils of the electronic correcting device. The secondary coils are connected to the fuel and air control devices. This simple conversion will eliminate the EKR multiplier. The device will serve six boilers. To the input of each control device a signal from a separate output coil will be fed. The "Komega" device may be used for the control of six boilers. In case the number of boilers to be controlled is greater than six, the multiplier suggested by Engineer A.M. Tsirlin must be installed.

Card 3/3

BUSHEVA, L.M., inzh.; CHEKHOVOY, Yu.N., inzh.

Automatic control of gas pressure. Elek. sta. 30 no.3:83
Mr '59. (MIRA 12:5)
(Gas, Natural) (Pressure regulators)

CHEKHOVOY, Yu.N., inzh.

Selection of instruments circuits for tuning VTI electronic regulators.

Elek.sta. 31 no.6:33-36 Je '60.

(MIRA 13:7)

(Electronic measurements)

(Electric controllers)

KOMAROV, G.P., inzh.; CHEKHOVOY, Yu.N., inzh.

Automating of the operation of high-pressure regenerative
heaters. Elek. sta. 31 no.8:24-27 Ag '60. (MIRA 14:9)
(Boilers)

CHEKHOVOY, Yu. N., inzh.

New circuits for fault signaling. Priborostroenie no.6:19-21
Jo '61. (MIRA 14:6)

(Electronic control)

CHEKHOVOY, Yu.N.

Mercury-oil electric contact differential manometer for signaling
and protection. Priborostroenie no.7:27 J1 '61. (MIRA 14:6)
(Manometer)

CHEKHOVOY, Yu.N., inzh.; SHCHEGOLEV, A.V., inzh.

Improvement of a network for signaling the pressure of hydrogen in
the TV2-100-2 turbogenerator. Elek. sta. 32 no.2:75-~~76~~ F '61.
(MIRA 16:7)

(Turbogenerators)

CHEKHOVOY, Yu.N., inzh.

Automatic feeding of the evaporators. Elek. sta, 32 no. 5:23-27
My '61. (MIRA 14:5)
(Steam turbines) (Evaporating appliances)

CHEKHOVOY, Yu.N., inzh.

Experience in operating automatic control equipment. Energetik
ID no.3:4-7 Mr '62. (MIRA 15:2)

(Automatic control)

(Electric power plants--Equipment and supplies)

SHCHEGOLEV, A.V., inzh; CHEKHOVOY, Yu.N., inzh.

Automation of slime pumping system. Elek.sta. 33 no.11:28-32 N
'62. (MIRA 15:12)

(Electric power plants)

SHCHEGOLEV, A.V., inzh.; CHEKHOVOY, Yu.N., inzh.

Increase of the operational reliability of the electric motors of
remote control posts. Elek. sta. 33 no.10:85-86 0 '62.

(MIRA 16:1)

(Electric motors)

CHEKHOVOY, Yu.N., inzh.

Consolidated central signaling system of the machine room and a wider range of responsibilities of turbine technicians. Elek. sta. 34 no.2:26-30 F '63. (MIRA 16:4)
(Electric power plants)

CHEKHOVOY, Yu.N.

Calculation of the adjustment of a single-pulse electronic controller
for regulating the level of the condensate of the heating steam.
Energ. i elektrotekh. prom. no.1:5-10 Ja-Mr '63. (MIRA 16:5)

1. Luganskaya gosudarstvennaya rayonnaya elektrostantsiya.
(Electric power plants--Electric equipment)

CHEKHOVOY, Yu.N. [Cheklovyyi, IU.M.] (Kiyev)

Is an optimizing autocorrelation-type controller possible? Avtomatyka
8 no.5:26-38 '63. (MIRA 17:1)

CHEKHOVOY, Yu.N. [Chekhovyi, IU.M.]; SHEYKO, P.P.

Review of "Analysis and synthesis of pulse type and digital
automatic control systems." Avtomatyka 8 no.6:84-85 '63.

(MIRA 17:8)

ACCESSION NR: AP4026843

S/0102/64/000/002/0050/0058

AUTHOR: Kerekesner, I. P. (Kiev); Chekhevyy, Yu. M. (Chekhevoy, Yu. N.)
(Kiev)

TITLE: Algorithm for constructing a nonlinear static model of a complex industrial process

SOURCE: Avtomatyka, no. 2, 1964, 50-58

TOPIC TAGS: automatic control, industrial process automatic control, industrial process model, nonlinear static model

ABSTRACT: Recurrent formulas are used for computing the coefficients of a static model at each step of incoming information which is continuously weighed. These formulas simplify calculations and make the process of constructing a variable model a continuous one. Criteria for selecting the weight-function parameter and the number of terms of the approximating polynomial are given.

Card 1/2

ACCESSION NR: AP4026843

The method is usable in all cases when the complex plant can be approximated by an inertialess nonlinear element or by a pure delay element in all input-output channels. A considerable reduction in the amount of information to be stored and simplification of computations are claimed. Orig. art. has: 1 figure and 29 formulas.

ASSOCIATION: none

SUBMITTED: 18Dec63

DATE ACQ: 17Apr64

ENCL: 00

SUB CODE: IE

NO REF SOV: 006

OTHER: 001

Card 2/2

CHEKHOVOY, Yu.M. [Chekhovyi, Yu.M.] (Kiyev)

Self-teaching system for optimizing a combustion process.
Automatyka 9 no.3:41-53 *64 (MIRA 17:7)

CHEKHOVOY, Yu.N., inzh.

Vacuum protection and vacuum drop regulation in turbines. Prom.
energ. 19 no.8:26-29 Ag '64.

(MIRA 17:11)

CHEKHOVOY, Yu.N., inzh.

Adjustment of equipment used in continuous recording and measurement
of the amplitude of the vibration of bearings. Energ. i elektrotekh.
prom. no.1:57-60 Ja-Mr '65. (MIRA 18:5)

CHEKHOVOY, Yu.N. [Chëkhovyi, IU.M.] (Kiyev)

Two algorithms for the cognition of industrial situations. Avtomatyka
10 no.1:89-91 '65. (MIRA 18:6)

CHEKHOVOY, Yu.N. [Chekhovyi, IU.M.] (Kiyev); KEREKESNER, I.P. (Kiyev)

Algorithm for teaching an open-loop optimizing control system
the correct recognition of situations. Avtomatyka 10 no.4:44-54
'65. (MIRA 18:10)

CHEKHOV, Yu.N., inzh.

Automation of the retention of optimum vacuum conditions in
the condensers of steam turbine systems. Teploenergetika 12
no.11:41-46 N '69. (MIRA 18:10)

1. Institut kibernetiki AN UkrSSR.

CHEKHOVSKAYA, G.Yu.; REPINA, V.L.

Some results of the use of geophysical methods in investigating and determining the parameters of strata. Trudy VNII no.29:150-155 '60.
(MIRA 13:10)

1. Groznenskiy nauchno-issledovatel'skiy neftyanoy institut.
(Groznyy Province--Oil well logging, Electric)

CHEKHOVSKAYA, G.Yu.; REPINA, V.L.; NAZARETOV, M.B.

Using field data to determine the coefficient of oil recovery with
water drive. Trudy GrozNII no. 10:86-102 '61. (MIRA 15:2)
(Oil fields--Production methods)

CHEKHOVSKAYA, G.Yu.; REPINA, V.L.; NAZARETOV, M.B.

Effect of some factors on the coefficient of oil recovery.
Trudy GrozNII no.10:103-110 '61. (MIRA 15:2)
(Oil fields--Production methods)

MAYDEBOR, V.M.; POSTASH, M.F.; LEBEDINETS, N.P.; CHEKHOVSKAYA, G.Yu.

Studying and developing oil pools in thick fractured reservoirs.

Neft. khoz. 40 no.4:29-35 Ap '62.

(MIRA 15:5)

(Chechen-Ingush A.S.S.R.—Oil reservoir engineering)

LEBEDINETS, N.P.; SOKOLOVSKIY, E.V.; MAYDEBOR, V.N.; POSTASH, M.F.;
CHEKHOVSKAYA, G.Yu.

Hydrodynamic relationship among separate parts of thick fractured
reservoir rocks. Geol.nefti i gaza 6 no.4:52-55 Ap '62.
(MIRA 15:4)

1. Groznenskiy nauchno-issledovatel'skiy neftyanoy institut.
(Chechen-Ingush A.S.S.R.—Oil sands)

MAYDEBOR, V.N.; CHEKHOVSKAYA, G.Yu.; POSTASH, M.P.

Intensifying development by increasing the pressure gradient in
the Karabulak-Achaluki Upper Cretaceous pool. Nauch.-tekhn. sbor.
po dob. nefti no.24:154-155 '64. (MIRA 17:10)

1. Vsesoyuznyy neftegazovyy nauchno-issledovatel'skiy institut.

POSTASH, M.F.; CHEKHOVSKAYA, G.Yu.

Scientific and technical conference on the problems of prospecting
and developing Grozny oil fields in fractured reservoir rocks.
Neft. khoz. 42 no.4:68-70 Ap '64. (MIRA 17:9)

CHEKHOVSKAYA, I. I.

Chekhovskaya, I. I.

"Experimental investigations of the hygienic evaluation of vegetables grown on soil treated with the ethyl ester of dimethyl dithio carbamic acid." First Moscow Order of Lenin Medical Inst. imeni I. M. Sechenov Moscow, 1956. (Dissertation for the Degree of Candidate in Medical Science)

So: Knizhnaya letopis', No. 25, 1956

MARTYNOVA, O.I.; SAMOYLOV, Yu.F.; SMIRNOV, O.K.; CHEKHOVSKAYA, S.D.

Dissociation of calcium chloride in the process of generation
of water vapor at high temperature and pressure. Zhur.neorg.
khim. 5 no.1:16-22 Ja '60. (MIRA 13:5)
(Calcium chloride) (Water vapor)

CHEKHOVSKAYA, V. A.

USSR/Chemistry - Plastics

May 51

"Copolymerization of Vinyl Acetate and Maleic Anhydride and the Properties of the Copolymers Obtained," S. N. Ushakov, S. P. Mitsengendler, V. A. Chekhovskaya, Chair of Plastics, Leningrad Tech Inst

"Zhur Prikl Khim" Vol XXVI, No 5, pp 485-489

Same relationships are observed in copolymerization of vinyl acetate with maleic anhydride as in the case of vinyl acetate and monomethyl maleate. Maleic anhydride, like its ester, can combine with itself in presence of complex vinyl esters to yield copolymers contd higher than 50% maleic component. Obtained copolymers are easily saponified with H_2O to form high-mol compds with side rings on chain (lactones).

183T36

CHEKHOVSKAYA, V. P.

Formylation of polyvinyl alcohol and the Standliser constant K_m for polyvinyl formate. S. Ushakov, R.K. Gavurina, and V.P. Chekhovskaya (Leninrad Chem. Technol. Inst.). Bull. acad. sci. U.R.S.S., Class. sci. chim. 1947, 71-80 (in Russian).—
Polyvinyl alc. (I), obtained by hydrolysis of polyvinyl acetate in 20% soln. in EtOH, with H_2SO_4 (10% of the wt. of the soln.) at 60-65°, 16 hrs., and dried at 45°, was formylated with 100% HCO_2H , in the wt. ratio I: HCO_2H = 1:5; after diln. of the mass with Me_2CO to 5%, the product was pptd. in H_2O or EtOH and dried at 45°. By starting with I of acid no. 8.2 mg. KOH/g., acetate group content 1.3%, intrinsic viscosity η/c 0.0705, runs with various catalysts gave products with the following degrees of formylation f (in mole %): H_2SO_4 , 8% of the wt. of the reaction mass, 100 hrs., 15° f = 16.9%; $ZnCl_2$ 30, 120 hrs., 15°, 24.3; $ZnCl_2$ 30, 30 hrs., 40-50°, 61.3; H_2SO_4 3, 30 hrs., 40-50°, 21.6; $ZnCl_2$ 40, 30 hrs., 60°, 9.0; without catalyst, 30 hrs., 60°, 84.6%. Thus, presence of H_2SO_4 or of $ZnCl_2$ lowers f considerably; also, the products obtained with H_2SO_4 or $ZnSO_4$ or $ZnCl_2$ at 40-60° are insol. in Me_2CO and in alkali even on boiling. Without catalyst, more prolonged formylation did not improve f , an equil. being evidently reached in 30 hrs. at 60°. A higher f was, however, attained through repeated formylations with fresh portions of HCO_2H ; thus, after 4 consecutive formylations, f = 94.13 mole %. In a single operation, f increases with time only in the initial stages and then becomes practically const.: e.g., at 60°, in 3, 10, 20, 30, and 50 hrs., f = 75.4, 81.5, 83.9, 84.6, and 84.3. In order to det. the degree of destruction of the polymer possibly brought about by the formylation, the product with f 97.67 mole % was subjected to hydrolysis by 10 hrs. boiling with a 6-fold excess of H_2O and with addn. of 5% HCO_2H ; judging by η/c of the polyvinyl alc. thus recovered, 0.0405 as against the original 0.0705, formylation at 60° does entail marked destruction of the polymer mol. With decreasing temp., f decreases somewhat; thus, in 50 hrs., at 60, 40, 30, and 15°, f = 84.3, 69.0, 66.9, and 64.6. At 15°, in 6, 22, 34, 48, and 72 hrs., f = 48.0, 56.7, 57.9, 62.7, and 63.1. Five consecutive

VOLOVINSKAYA, V.F., kand. tekhn. nauk; GIEKHOVSKAYA, V.T., mladshiy
nauchnyy sotrudnik

Role of individual smoke components during the smoking
process. Report No. 1. Role of formaldehyde and its removal
from solutions. Trudy VNIIMP no.16:202-210 '64.

(MIRA 18:11)

CHEKHOVSKAYA, Ye.P.

865 centners of milk from 100 hectares of land. Inform. biul.
VDNKH no.8:23-24 Ag '64. (MIRA 17:11)

1. Starshiy ekskursovod pavil'ona "Zhivotnovodstvo" na Vystavke
dostizheniy narodnogo khozyaystva SSSR.

CHEKHOVSKAYA, Ye.V.

[Bibliography on the manufacture of wood-particle boards;
recommendation index of Russian and foreign literature for
1955-1958] Bibliografiia po voprosam proizvodstva drevesno-
strushechnykh plit; rekomendatel'nyi ukazatel' otechestvennoi
i inostrannoi literatury za 1955-1958 gg. Moskva, 1959. 33 p.
(MIRA 14:3)
1. Russia (1917- R.S.F.S.R.) Tsentral'noye byuro tekhnicheskoy
informatsii leonoy promyshlennosti.
(Bibliography--Hardboard)